DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER — Glenn DeCou — REGISTERED PROFESSIONAL ENGINEER — No. C34547 — Exp. 9-30-03 — CIVIL — STATE OF CALIFORNIA

July 1, 2002
PLANS APPROVAL DATE

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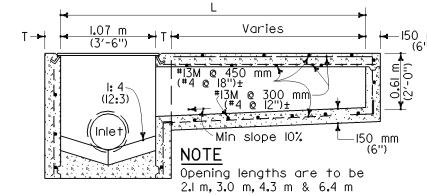
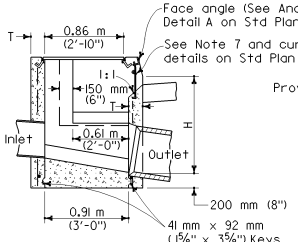


NOTE
Opening lengths are to be 2.1 m, 3.0 m, 4.3 m & 6.4 m (7', 10', 14' & 21').

SECTION A-A



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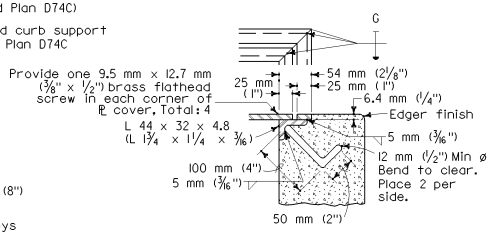

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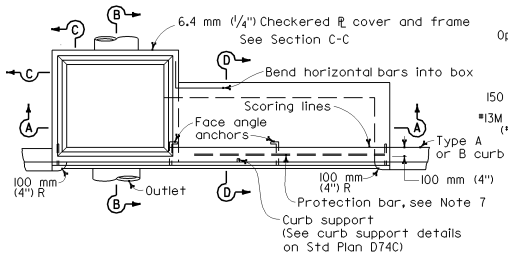
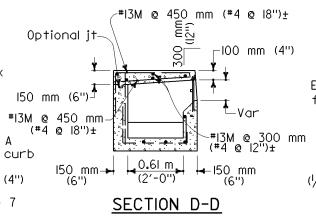


PLAN



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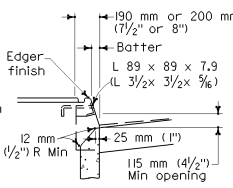
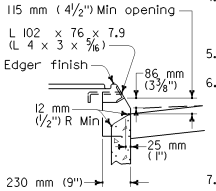


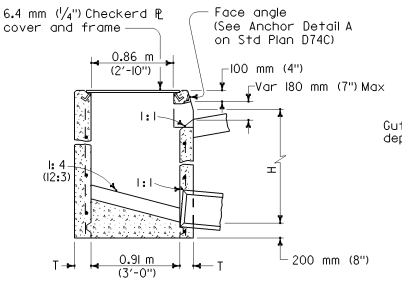
TYPE A CURBS



TYPE B CURBS

CURB OPENING DETAILS

TYPE OL



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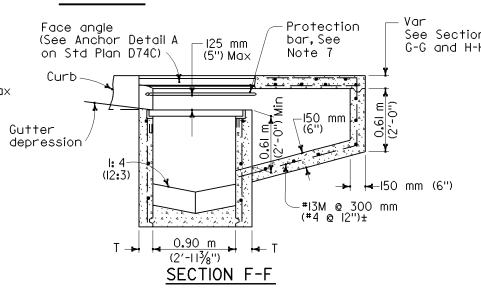

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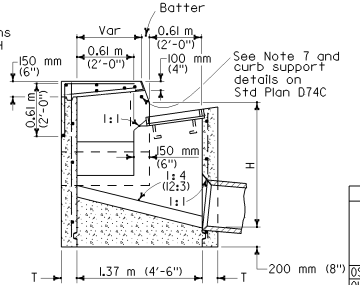
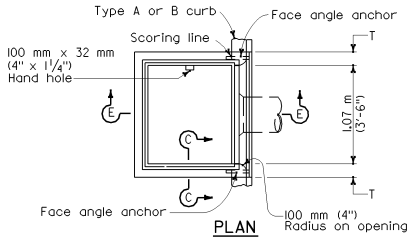
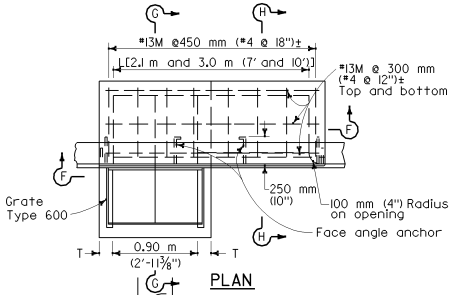


SECTION G-G



PLAN

TYPE OS



PLAN

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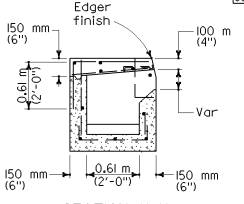

SECTION H-H

NOTES

1. "H" is the difference in elevation between the outlet pipe flow line and the normal gutter grade line underpressed at the curb face.
2. For "T" wall thickness, see Table A below.
3. Height of curb opening will vary with the type of curb and the depth of the local depression.
4. Wall reinforcing not required when "H" is 2.5 m (8') or less and the unsupported width or length is 2.1 m (7') or less. Walls exceeding these limits shall be reinforced with #13M bars @ 450 mm (#4 @ 18")± centers placed 40 mm (1½") clear to inside of box unless otherwise shown.
5. Inlet bottom reinforcing not required. See Standard Plan D74C for alternative reinforced bottom.
6. Steps- None required where "H" is less than 0.75 m (30"). Where "H" is 0.75 m (30") or more, install steps with lowest rung 300 mm (12") above the floor and highest rung not more than 150 mm (6") below top of inlet. The distance between steps shall not exceed 300 mm (12") and be uniform throughout the length of the wall. Place steps in the wall without an opening. Step inserts may be substituted for the bar steps. Step inserts shall comply with State Industrial Safety requirements. See Standard Plan D74C for step details.
7. When shown on the project plans, place a 19 mm (¾") plain round protection bar horizontally across the length of the opening and bend back 100 mm (4") into the inlet wall on each side.
8. Pipe(s) can be placed in any wall.
9. Curb section shall match adjacent curb.
10. Except for inlets used as junction boxes, basin floor shall have a minimum slope of 1: 4 (12:3) from all directions toward outlet pipe and shall have a wood trowel finish.
11. Galvanizing-See Standard Specifications or Special Provisions.
12. See Standard Plans D77A and D77B for grate and frame details and masses weights of miscellaneous iron and steel.
13. See Standard Plan D78 for gutter depression details.
14. Full penetration butt welds may be substituted for the fillet welds on all anchors.
15. Standard square, hexagon, round or equivalent headed anchors may be substituted for the right angle hooks on the anchors shown on this plan.
16. Cast-in-place or precast alternative is optional with contractor. See Standard Specifications.

TABLE A

Type	CONCRETE QUANTITIES: H=0.90 m to 2.50 m (3'-0" to 8'-0") (T=150 mm (6"))		H=2.51m to 6.00 m (8'-1" to 20'-0") (T=200 mm (8"))	
	H=0.90 m (3'-0") m³ (CY)	Additional PCC per meter (foot) m³ (CY)	H=2.51 m (8'-1") m³ (CY)	Additional PCC per meter (foot) m³ (CY)
OS	1.04 (1.41)	0.69 (0.278)	2.91 (3.81)	0.96 (0.387)
OL-2.1 m (7')	1.42 (1.92)	0.69 (0.278)	3.28 (4.29)	0.96 (0.387)
OL-3.0 m (10')	1.77 (2.39)	0.69 (0.278)	3.65 (4.77)	0.96 (0.387)
OL-4.3 m (14')	2.26 (3.06)	0.69 (0.278)	4.17 (5.45)	0.96 (0.387)
OL-6.4 m (21')	3.33 (4.42) *	0.69 (0.278)	5.18 (6.78)	0.96 (0.387)
GOL-2.1 m (7')	1.72 (2.33)	0.78 (0.313)	3.79 (4.96)	1.07 (0.434)
GOL-3.0 m (10')	2.10 (2.84)	0.78 (0.313)	4.18 (5.47)	1.07 (0.434)

*Based on H=0.95 m (3'-1")

Table based on 200 mm (8") floor slab, no deduction for pipe openings. 180 mm (7") curb openings, and curb type giving highest quantity of concrete. No deductions or adjustments are to be made to these quantities because of pipe openings, different floor alternatives, different curb types or different height of curb openings.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

DRAINAGE INLETS

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

D72

THIS STANDARD PLAN D72 INCLUDES CHANGES THAT WERE INCORPORATED IN REVISED STANDARD PLAN RSP D72, DATED OCTOBER 26, 2000, AND ISSUED AS A PART OF ERRATUM NO. 99-1 FOR THE 1999 METRIC STANDARD PLANS.